| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 22 | ("5011066"\|"5489750"\|"6084782"\|"6118182"\|"6125043"\|"6142609"\|"6202298"\|"6239385"\|"6346679"\|"6487682").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/28 20:50 |
| S3 | 6340486 | @ad>"19981203" @rlad>"19981203" @pt1d>"19981203" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/28 20:51 |
| S4 | 1249 | barrow.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/28 21:33 |
| S5 | 20448 | intel.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/28 21:33 |
| S6 | 47 | S4 and S5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/28 21:33 |
| S7 | 41 | S6 not S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/29 12:57 |
| S8 | 772 | sakuyama.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/29 12:57 |
| S9 | 493710 | nec.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/29 12:57 |
| S10 | 125 | S8 and S9 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/29 13:22 |

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|---|---|---|---|---|---|---|
| S13 | 6345279 | @ad>"19981203"<br>@rlad>"19981203"<br>@pt1d>"19981203" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 13:23 |
| S14 | 113 | S10 not S13 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 18:57 |
| S15 | 4 | "688073".ap. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 18:58 |
| S16 | 55 | dockerty.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 18:58 |
| S17 | 6345279 | @ad>"19981203"<br>@rlad>"19981203"<br>@pt1d>"19981203" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 18:58 |
| S19 | 2 | (US-20040119865-$).did. or<br>(US-6395991-$).did. | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 19:01 |
| S20 | 48 | S16 not S17 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 19:53 |
| S21 | 273 | dockerty | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 19:10 |
| S22 | 155 | S21 not (S20 S17) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 19:17 |
| S23 | 16 | ("4746966" | "5632631" |<br>"5641988" | "5796169" |<br>"5895968").PN. OR ("6057596").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2004/07/29 19:13 |
| S24 | 12 | "5796169" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/29 19:17 |

| S25 | 26 | ("3401126" \| "3429040" \| "4951098" \| "4975765" \| "5047711" \| "5059899" \| "5216278" \| "5274913" \| "5334857" \| "5367763" \| "5391917" \| "5483421" \| "5490040" \| "5490042" \| "5517127" \| "5598036" \| "5686318" \| "5731709" \| "5783868" \| "5796169").PN. OR ("6221682").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/07/29 19:19 |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|----|------------------|
| S26 | 4 | (US-6395991-$ or US-6346679-$ or US-6142609-$ or US-5011066-$).did. | USPAT | OR | ON | 2004/07/29 19:49 |
| S27 | 5 | S26 S19 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/29 19:49 |
| S28 | 4 | (US-6395991-$ or US-6346679-$ or US-6142609-$ or US-5011066-$).did. | USPAT | OR | ON | 2004/07/29 19:53 |
| S29 | 5 | (US-6395991-$ or US-6346679-$ or US-6142609-$ or US-5011066-$ or US-6053394-$).did. | USPAT | OR | ON | 2004/07/29 19:53 |
| S30 | 5 | S28 S29 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/29 19:53 |

| S31 | 81 | ("3610811" \| "3871015" \| "3932934" \| "4376505" \| "4413308" \| "4509096" \| "4545610" \| "4558812" \| "4561011" \| "4604644" \| "4609892" \| "4642163" \| "4664309" \| "4705205" \| "4821946" \| "4867839" \| "4878611" \| "4889275" \| "4914814" \| "4927697" \| "4942408" \| "5001829" \| "5011066" \| "5088007" \| "5108027" \| "5222014" \| "5233504" \| "5251806" \| "5297007" \| "5324892" \| "5349495" \| "5363280" \| "5397921" \| "5400950" \| "5489750" \| "5490040" \| "5498903" \| "5541450" \| "5551627" \| "5598036" \| "5604522" \| "5639696" \| "5641990" \| "5675183" \| "5718367" \| "5821161" \| "5881944" \| "5881945" \| "5973406" \| "6081038" \| "6142609" \| "6222277" \| "6225702").PN. OR ("5011066" \| "6053394" \| "6142609" \| "6346679" \| "6395991").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/07/29 19:53 |
|---|---|---|---|---|---|---|
| S32 | 63 | S31 not S17 | US-PGPUB; USPAT; USOCR | OR | ON | 2004/07/30 15:20 |
| S33 | 2 | ("6118182").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/30 20:24 |
| S34 | 15834 | ball! adj grid! adj array | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 20:25 |
| S35 | 103642 | equal$ adj spac$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 20:26 |
| S36 | 112 | S34 and S35 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 20:26 |

| S38 | 6345279 | @ad>"19981203"<br>@rlad>"19981203"<br>@pt1d>"19981203" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 20:26 |
|-----|---------|------|------|----|----|------|
| S39 | 44 | S36 not S38 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 20:58 |
| S40 | 35453 | uniform$ adj spac$3 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 20:58 |
| S41 | 67 | S34 and S40 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 20:58 |
| S42 | 29 | S41 not S38 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 21:04 |
| S43 | 1610 | pad! adj array | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 21:04 |
| S44 | 90 | S43 and (S35 S40) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 21:05 |
| S45 | 55 | S44 not S38 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 21:09 |
| S46 | 110 | pitch with S43 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 21:09 |
| S47 | 56 | S46 not S38 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/30 21:15 |

| S48 | 1097 | pad with (S35 S40) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:15 |
|---|---|---|---|---|---|---|
| S49 | 1139528 | array matrix | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:16 |
| S50 | 298 | S48 and S49 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:16 |
| S51 | 220 | S50 not S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:16 |
| S53 | 1869840 | semiconductor integrated adj circuit ic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:17 |
| S55 | 99 | S51 and S53 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:25 |
| S56 | 5918 | area! adj array | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:25 |
| S57 | 408 | S56 and (S35 S40) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:25 |
| S58 | 220 | S57 not S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:53 |
| S59 | 90445 | standardized | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:53 |

| S60 | 1199 | S49 with S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:53 |
|---|---|---|---|---|---|---|
| S61 | 436 | S60 and S53 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 21:53 |
| S62 | 214 | S61 not S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 22:07 |
| S63 | 445 | pad with S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 22:07 |
| S64 | 289 | S63 and S53 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 22:07 |
| S65 | 114 | S64 not (S62 S38) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 22:17 |
| S66 | 1 | 1992-228622.NRAN. | DERWENT | OR | ON | 2004/07/30 22:16 |
| S67 | 590 | yamamoto-masaru.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 22:17 |
| S68 | 512 | S67 not S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/30 22:17 |
| S69 | 5 | pad and S68 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:40 |
| S70 | 1139528 | array matrix | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:40 |

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|---|---|---|---|---|---|---|
| S73 | 82956 | distance with size | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:41 |
| S74 | 1916 | S70 with S73 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:41 |
| S75 | 509054 | pad | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:41 |
| S76 | 30 | S74 with S75 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:41 |
| S77 | 6345279 | @ad>"19981203" @rlad>"19981203" @pt1d>"19981203" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:41 |
| S78 | 18 | S76 not S77 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:53 |
| S80 | 1370 | space$3 with size with pad | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:54 |
| S81 | 524 | S80 and S70 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:54 |
| S82 | 227 | S81 not S77 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 14:54 |
| S83 | 8 | ("3517278" \| "5501006" \| "Re35119").PN. OR ("5675179"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/08/01 15:07 |
| S84 | 5 | S83 not S77 | US-PGPUB; USPAT; USOCR | OR | ON | 2004/08/01 16:01 |

| S85 | 2 | ("6118182").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/01 18:36 |
|---|---|---|---|---|---|---|
| S86 | 2 | ("5796169").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/01 18:36 |
| S87 | 12 | (US-6395991-$ or US-6346679-$ or US-6142609-$ or US-5011066-$ or US-6053394-$ or US-6165885-$ or US-6232564-$ or US-6020220-$ or US-5872051-$ or US-5886409-$ or US-5675179-$).did. or (JP-04148537-$).did. | USPAT; JPO | OR | ON | 2004/08/01 19:04 |
| S88 | 40 | ("3871015" \| "3932934" \| "4413308" \| "4509096" \| "4561011" \| "4604644" \| "4664309" \| "4705205" \| "4878611" \| "4914814" \| "4927697" \| "5001829" \| "5088007" \| "5108027" \| "5222014" \| "5233504" \| "5251806" \| "5324892" \| "5349495" \| "5397921" \| "5400950" \| "5490040" \| "5498903" \| "5541450" \| "5551627" \| "5598036" \| "5639696" \| "5641990" \| "5675183" \| "5718367" \| "5821161" \| "5881944" \| "5881945").PN. OR ("6053394" \| "6395991").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/08/01 18:45 |
| S89 | 33 | S88 not S77 | US-PGPUB; USPAT; USOCR | OR | ON | 2004/08/01 18:57 |
| S90 | 17 | "4314355" "9307022" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/01 18:58 |
| S91 | 0 | ("4314355""9307022").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/01 18:58 |
| S92 | 0 | ("4314355""09307022").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/01 18:59 |

| S93 | 5 | "04314355" "09307022" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/01 19:00 |
|---|---|---|---|---|---|---|
| S94 | 1 | 1992-419417.NRAN. | DERWENT | OR | ON | 2004/08/01 18:59 |
| S95 | 48 | ikeda-hironobu.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/01 19:00 |
| S96 | 1012 | larg$ adj pad | USPAT;<br>JPO | OR | ON | 2004/08/01 19:04 |
| S97 | 1534 | small$ adj pad | USPAT;<br>JPO | OR | ON | 2004/08/01 19:05 |
| S98 | 103 | S96 with S97 | USPAT;<br>JPO | OR | ON | 2004/08/01 19:05 |
| S99 | 80 | S98 not S77 | USPAT;<br>JPO | OR | ON | 2004/08/01 19:14 |
| S100 | 231 | larg$ with small$ with pad with (bump solder) | USPAT;<br>JPO | OR | ON | 2004/08/01 19:15 |
| S101 | 144 | S100 not S77 | USPAT;<br>JPO | OR | ON | 2004/08/01 19:20 |
| S102 | 511 | pad with size with bump | USPAT;<br>JPO | OR | ON | 2004/08/01 19:20 |
| S103 | 279 | S102 not S77 | USPAT;<br>JPO | OR | ON | 2004/08/01 19:32 |
| S105 | 57 | ikegami-goro.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/01 19:32 |
| S106 | 40 | S105 not S77 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/01 19:32 |